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Our Reference: RUN-109-A

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Reza Azadegan and Kamal Sarabandi

Serial Number: 10/511,858 ✓

Filing Date: October 14, 2004

Examiner/Art Group Unit: Unknown/Unknown

Title: EFFICIENT MINIATURIZED SLOT  
ANTENNA

CERTIFICATE OF MAILING AND TRANSMITTAL LETTER

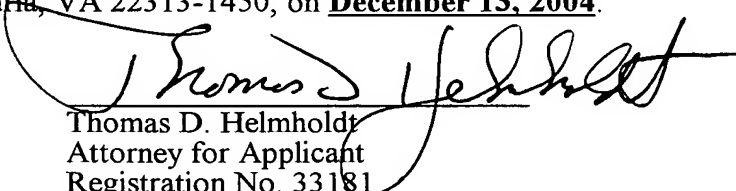
Commissioner for Patents  
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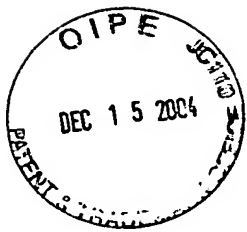
Transmitted with this document is a Postcard; Information Disclosure Statement;  
form PTO-1449 with the required cited references in the above-identified application.

- X No additional fee is required.
- X Please charge any deficiency or credit any excess in the enclosed fees to  
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- X Applicant(s), and the Assignee (if applicable), hereby assert a claim to  
small entity status under 37 CFR 1.27 et. seq.

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Postal Service as First Class Mail in an envelope addressed to: Commissioner for  
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#3

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INFORMATION DISCLOSURE STATEMENT

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PO Box 1450  
Alexandria, VA 22313-1450

Sir:

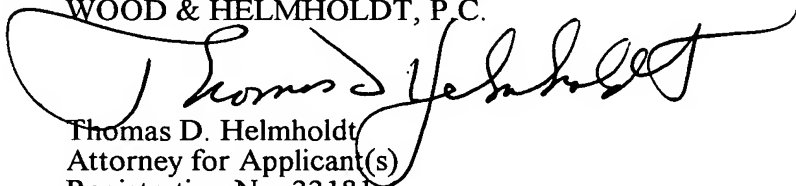
The references listed in the attached form PTO-1449 are cited pursuant to Rule 37 C.F.R. 1.56 to meet the duty to disclose to the Patent Office all information known to the inventor, attorney or any other person who is substantively involved in the preparation or prosecution of the application or who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.

A copy of each cited reference is not enclosed pursuant to United States Patent and Trademark Office OG Notices: 05 August 2003 which waives the requirement to submit a copy of each cited U.S. Patent and U.S. Patent Application Publication for all U.S. National Patent Applications filed after June 30, 2003.

These references constitute all the information of which the individuals pursuant to 37 C.F.R. § 1.56(c) are currently aware.

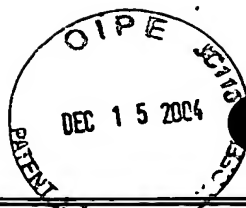
Respectfully submitted,

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Dated: December 13, 2004  
TDH/cmp



Sheet 1 of 2

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## LIST OF REFERENCES CITED BY APPLICANT

ATTY. DOCKET NO.

RUN-109-A

SERIAL NO.

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APPLICANT

Reza Azadegan and Kamal Sarabandi

FILING DATE

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GROUP

Unknown

## U. S. PATENT DOCUMENT

EXAMINER INITIALS		PATENT NO.	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE
	AA	6,664,932	12/16/2003	Sabet et al			
	AB	6,509,880	1/21/2003	Sabet et al			
	AC	6,480,162	11/12/2002	Sabet et al.			
	AD	6,313,797	11/6/2001	Kurita et al.			
	AE	6,081,239	6/27/2000	Sabet et al			
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

## FOREIGN PATENT OR PUBLISHED PATENT APPLICATION

		DOCUMENT NO.	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION
	AL	US2004/0056812	3/25/2004	US			
	AM	US2002/0057220	5/16/2002	US			
	AN	US2002/0175879	11/28/2002	US			
	AD	US2002/0000944	1/3/2002	US			
	AP						

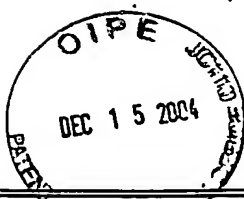
## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	AR	AZADEGAN R ET AL: "DESIGN OF MINIATURIZED SLOT ANTENNAS" IEEE ANTENNAS AND PROPAGATION SOCIETY INTERNATIONAL SYMPOSIUM, 2001 DIGEST APS. BOSTON, MA. JULY 8-13, 2001, NEW YORK, NY: IEEE, US, vol. 4 of 4, 8 July 2001 pages 565-568, XP001072153 ISBN: 0-7803-7070-8 the whole document
	AS	Sarabandi K ET AL: "Design of an efficient miniaturized UHF planar antenna" IEEE ANTENNAS AND PROPAGATION SOCIETY INTERNATIONAL SYMPOSIUM, 2001 DIGEST. APS. BOSTON, MA, JULY 8-13, 2001, NEW YORK, NY: IEEE, US, vol. 1 of 4, 8 July 2001 (2001-07-08), pages 446-449, XP010564673 ISBN: 0-7803-7070-8 the whole document
	AT	Michael A. Forman & Zoya B. Popovic, Department of Electrical Engineering, University of Colorado, Boulder, CO, "A Tunable Second-Resonance Cross-Slot Antenna"; IEEE 1997, 0-7803-4178-3/97, pages 18-21

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	AL						
	AM						
	AN						
	AO						

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	AP	PEROULIS D ET AL: "A PLANAR vhf RECONFIGURABLE SLOT ANTENNA" IEEE ANTENNAS AND PROPAGATION SOCIETY INTERNATIONAL SYMPOSIUM. 2001 DIGEST. APS. BOSTON, MA. JULY 8-13, 2001, NEW YORK, NY: IEEE, US. Vol. 1 of 4, 8 July 2001 pages 154-157, XP001072179 ISBN: 0-7803-7070-8 the whole document.
	AR	TUNABLE DIPOLE ANTENNAS; D.J. Roscoe, L. Shafai, A. Ittipiboon, M. Cuhaci, R. Douville; Communications Research Centre, 3701 Carling Ave., P.O. Box 11490, Station H, Ottawa, Ontario, K2H 8S2, Canada; Department of Electrical Engineering; University of Manitoba, 1993 IEEE; 0-7803-1246-5/93, pages 672-675
	AS	A SLOT ANTENNA WITH ELECTRONICALLY TUNABLE LENGTH; Shigeo Kawasaki, & Tatsuo Itoh, Department of Electrical and Computer Engineering, The University of Texas at Austin, Texas 78712, 91CH-3036-1/0000-0130; 1991 IEEE, pages 130-133
	AT	

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